

**TDMSE Version:** 2.2.0

**TDMS No.** 20407 - 02

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE NASAL

**Species/Strain:** MICE/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

Nanoscale material (Fullerene-C60 50 nanometers)

**CAS Number:** 99685-96-8

**Date Report Requested:** 03/19/2010

**Time Report Requested:** 08:55:31

**First Dose M/F:** 11/05/07 / 11/05/07

**Lab:** BNW

**B6C3F1 MICE MALE**

**0 mg/m3**

**0.5 mg/m3**

**2.0 mg/m3**

**Disposition Summary**

**Animals Initially In Study**

**10**

**10**

**10**

**Early Deaths**

**Survivors**

**Terminal Sacrifice**

**10**

**10**

**10**

**Animals Examined Microscopically**

**10**

**10**

**10**

**ALIMENTARY SYSTEM**

Intestine Large, Rectum

(10)

(0)

(10)

Parasite Metazoan

1 (10%)

**CARDIOVASCULAR SYSTEM**

Heart

(10)

(0)

(10)

Infiltration Cellular, Mixed Cell

1 (10%)

**ENDOCRINE SYSTEM**

None

**GENERAL BODY SYSTEM**

None

**GENITAL SYSTEM**

None

**HEMATOPOIETIC SYSTEM**

Lymph Node, Bronchial

(9)

(7)

(7)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
Pigmentation		2 (29%)	5 (71%)
INTEGUMENTARY SYSTEM			
None			
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
Lung	(10)	(10)	(10)
Hemorrhage		1 (10%)	
Infiltration Cellular, Histiocyte		1 (10%)	10 (100%)
Inflammation, Chronic Active			1 (10%)
Pigmentation		10 (100%)	10 (100%)
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(10)	(0)	(10)
Casts Protein			1 (10%)
Renal Tubule, Regeneration	4 (40%)		2 (20%)

a - Number of animals examined microscopically at site and number of animals with lesion

B6C3F1 MICE MALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
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\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

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## Disposition Summary

Animals Initially In Study

10

10

10

Early Deaths

Survivors

Terminal Sacrifice

10

10

10

Animals Examined Microscopically

10

10

10

## ALIMENTARY SYSTEM

Liver

(10)

(0)

(10)

Eosinophilic Focus

1 (10%)

## CARDIOVASCULAR SYSTEM

Heart

(10)

(0)

(10)

Infiltration Cellular, Mixed Cell

1 (10%)

## ENDOCRINE SYSTEM

None

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Ovary

(10)

(0)

(10)

Infiltration Cellular, Histiocyte

1 (10%)

Pigmentation

1 (10%)

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**HEMATOPOIETIC SYSTEM**

Lymph Node, Bronchial  
Pigmentation

(10)  
2 (20%)

(7)  
3 (43%)

(10)  
4 (40%)

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**INTEGUMENTARY SYSTEM**

None

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**MUSCULOSKELETAL SYSTEM**

None

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**NERVOUS SYSTEM**

None

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**RESPIRATORY SYSTEM**

Lung  
Hemorrhage  
Infiltration Cellular, Histiocyte  
Pigmentation  
Artery, Inflammation, Chronic Active  
Perivascular, Infiltration Cellular, Mixed Cell

(10)  
  
1 (10%)  
  
1 (10%)

(10)  
  
  
10 (100%)  
1 (10%)

(10)  
1 (10%)  
8 (80%)  
10 (100%)

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**SPECIAL SENSES SYSTEM**

None

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**URINARY SYSTEM**

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Kidney

(10)

(0)

(10)

  Casts Protein

1 (10%)

  Inflammation, Chronic Active

1 (10%)

  Renal Tubule, Regeneration

2 (20%)

1 (10%)

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\*\*\* END OF REPORT \*\*\*

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